



# SAFETY DATA SHEET SUPER PROFESSIONAL NON BIOLOGICAL LAUNDRY POWDER L2

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name SUPER PROFESSIONAL NON BIOLOGICAL LAUNDRY POWDER L2

Container size 6.8 kg

**UFI**: J8Q6-A5ED-GQ7K-SYQH

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Laundry detergent.

**Uses advised against**Use only for intended applications. Not for Oral Consumption.

## 1.3. Details of the supplier of the safety data sheet

Supplier MIRIUS ™

A Coventry Group Company

Coventry Chemicals Limited, Woodhams Road, Siskin Drive, Coventry, England, CV3 4FX Coventry Chemicals (Ireland) Limited, 4th Floor 8-34 Percy Place, Dublin, D04 P5K3, Ireland.

+44 (0)2476639739 www.mirius.com info@mirius.com

Contact person For content of safety data sheet:, sds@mirius.com

# 1.4. Emergency telephone number

Emergency telephone +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human

health and/or the environment)

National emergency telephone In case of a medical emergency following exposure to a chemical call NHS Direct in England

**number** or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24

# SECTION 2: Hazards identification

# 2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

Environmental hazards Not Classified

#### 2.2. Label elements

Hazard pictograms



Signal word Warning

# SUPER PROFESSIONAL NON BIOLOGICAL LAUNDRY POWDER L2

Hazard statements H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements P102

P102 Keep out of reach of children.

P264 Wash contaminated skin thoroughly after handling. P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with local regulations.

Contains SODIUM CARBONATE, SODIUM PERCARBONATE, SODIUM METASILICATE

PENTAHYDRATE, Alcohols, C9-11, Ethoxylated

Detergent labelling 5 - < 15% oxygen-based bleaching agents, 5 - < 15% zeolites, < 5% anionic surfactants, <

5%non-ionic surfactants, < 5% optical brighteners, < 5% perfumes.

Supplementary precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P362+P364 Take off contaminated clothing and wash it before reuse.

#### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605.

#### SECTION 3: Composition/information on ingredients

# 3.2. Mixtures

SODIUM CARBONATE		30-60%
CAS number: 497-19-8	EC number: 207-838-8	REACH number: 01-2119485498-19-xxxx
Classification Eye Irrit. 2 - H319		

SODIUM PERCARBONATE		10-30%
CAS number: 15630-89-4	EC number: 239-707-6	REACH number: 01-2119457268-30-xxxx
Classification Ox. Sol. 3 - H272		Acute toxicity - oral  Acute toxicity oral (LD∞ 1,034.0 mg/kg)
Acute Tox. 4 - H302		Species Rat
Eye Dam. 1 - H318		ATE oral (mg/kg) 1,034.0

SODIUM METASILICATE PENTAHYDRATE 1-5%		
CAS number: 10213-79-3	EC number: 229-912-9	REACH number: 01-2119449811-37-XXXX
Classification Met. Corr. 1 - H290		Acute toxicity - inhalation  Acute toxicity inhalation 2.3 (LC <sub>90</sub> dust/mist mg/l)
Skin Corr. 1A - H314 STOT SE 3 - H335		<b>Species</b> Rat

# SUPER PROFESSIONAL NON BIOLOGICAL LAUNDRY POWDER L2

Alcohols, C9-11, Ethoxylated 1-5%

CAS number: 68439-46-3 EC number: 614-482-0

Acute toxicity - oral

Classification

Acute toxicity oral (LD∞ mg/kg)

Acute Tox. 4 - H302

Eye Dam. 1 - H318

Species

Rat

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### SECTION 4: First aid measures

## 4.1. Description of first aid measures

General information Provide eyewash station.

**Inhalation** Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical

attention if any discomfort continues.

**Ingestion** Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse

mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention

if irritation persists after washing.

Eye contact Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and

hold eyelids open widely. Get medical attention. Show this Safety Data Sheet to the medical

555.56

personnel.

# 4.2. Most important symptoms and effects, both acute and delayed

**Inhalation** May cause respiratory irritation.

**Ingestion** May cause discomfort if swallowed. Nausea, vomiting. Diarrhoea.

**Skin contact** Prolonged skin contact may cause redness and irritation.

**Eye contact** May cause irritation to eyes.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Foam, carbon dioxide or dry powder.

#### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** The product is non-combustible.

Hazardous combustion

products

No known hazardous decomposition products.

# 5.3. Advice for firefighters

Protective actions during

firefighting

Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

# SECTION 6: Accidental release measures

## SUPER PROFESSIONAL NON BIOLOGICAL LAUNDRY POWDER L2

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8. In case of spills, beware of slippery floors and

surfaces.

6.2. Environmental precautions

**Environmental precautions**Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or

watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in

suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering

drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health

hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Usage precautions Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this

safety data sheet. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work

site. Do not eat, drink or smoke when using the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container. Keep container dry.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

# SECTION 8: Exposure controls/Personal protection

## 8.1. Control parameters

# SODIUM CHLORIDE (CAS: 7647-14-5)

**DNEL** Workers - Inhalation; Long term systemic effects: 2068.62 mg/m<sup>3</sup>

Workers - Inhalation; Short term systemic effects: 2068.62 mg/m³ Workers - Dermal; Long term systemic effects: 295.52 mg/kg/day Workers - Dermal; Short term systemic effects: 295.52 mg/kg/day

General population - Inhalation; Long term systemic effects: 443.28 mg/m³ General population - Inhalation; Short term systemic effects: 443.28 mg/m³ General population - Dermal; Long term systemic effects: 126.65 mg/kg/day General population - Dermal; Short term systemic effects: 126.65 mg/kg/day General population - Oral; Long term systemic effects: 126.65 mg/kg/day General population - Oral; Short term systemic effects: 126.65 mg/kg/day

PNEC - Fresh water; 5 mg/l

- Intermittent release; 19

STP; 500 mg/lSoil; 4.86 mg/kg

SODIUM CARBONATE (CAS: 497-19-8)

## SUPER PROFESSIONAL NON BIOLOGICAL LAUNDRY POWDER L2

**DNEL** Workers - Inhalation; Long term local effects: 10 mg/m³

General population - Inhalation; Long term local effects: 10 mg/m<sup>3</sup>

# SODIUM PERCARBONATE (CAS: 15630-89-4)

**DNEL** Workers - Inhalation; Long term local effects: 5 mg/m<sup>3</sup>

Workers - Dermal; Long term local effects: 12.8 mg/cm<sup>2</sup> Workers - Dermal; Short term local effects: 12.8 mg/cm<sup>2</sup>

General population - Dermal; Long term local effects: 6.4 mg/cm<sup>2</sup> General population - Dermal; Short term local effects: 6.4 mg/cm<sup>2</sup>

PNEC - Fresh water; 0.035 mg/l

- marine water; 0.035 mg/l

- STP; 16.24 mg/l

#### STPP (CAS: 7758-29-4)

**DNEL** Workers - Inhalation; Long term systemic effects: 0.661 mg/m³

Workers - Inhalation; Short term systemic effects: 0.661 mg/m³ Workers - Dermal; Long term systemic effects: 0.375 mg/kg/day Workers - Dermal; Short term systemic effects: 0.375 mg/kg/day

General population - Inhalation; Long term systemic effects: 0.661 mg/m³ General population - Inhalation; Short term systemic effects: 0.66 mg/m³ General population - Dermal; Long term systemic effects: 0.375 mg/kg/day General population - Dermal; Short term systemic effects: 0.375 mg/kg/day General population - Oral; Long term systemic effects: 0.75 mg/kg/day General population - Oral; Short term systemic effects: 0.75 mg/kg/day

PNEC - Fresh water; 0.005 mg/l

- marine water; 0.005 mg/l

- Sediment (Freshwater); 0.19 mg/kg

- Soil; 0.14 mg/kg

## SODIUM DODECYLBENZENESULFONATE (CAS: 68411-30-3)

**DNEL** Industry - Inhalation; Long term systemic effects: 6 mg/m³

Industry - Inhalation; Long term local effects: 6 mg/m³ Industry - Dermal; Long term systemic effects: 85 mg/kg/day Consumer - Inhalation; Long term systemic effects: 1.5 mg/m³ Consumer - Inhalation; Long term local effects: 1.5 mg/m³

Consumer - Dermal; Long term systemic effects: 42.5 mg/kg/day Consumer - Oral; Long term systemic effects: 0.425 mg/kg/day

PNEC - Fresh water; 0.268 mg/l

- marine water; 0.0268 mg/l

- Intermittent release; 0.0167 mg/l

- STP; 3.43 mg/l

- Sediment, Fresh water; 8.1 mg/kg

- Sediment, marine water; 6.8 mg/kg

- Soil; 35 mg/kg

#### 8.2. Exposure controls

## Protective equipment





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Appropriate engineering

controls

Provide adequate ventilation.

**Eyelface protection** Eyewear complying with an approved standard should be worn if a risk assessment indicates

eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment that provides appropriate eye and face protection should be worn.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if

a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Gloves made from the following material may provide suitable chemical protection: Rubber (natural, latex). Butyl rubber. Thickness: >0.5 mm Nitrile rubber. Thickness: >0.35 mm Polyvinyl chloride (PVC). For users with sensitive skin, it is recommended that suitable protective gloves are

worn.

Other skin and body

protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Hygiene measures** When using do not eat, drink or smoke. Good personal hygiene procedures should be

implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.

**Respiratory protection** Respiratory protection not required.

**Environmental exposure** 

controls

Avoid releasing into the environment.

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance Powder.

Colour White with blue speckles

Odour Perfumed.

Odour threshold Not applicable. Not applicable.

**pH** pH (diluted solution): 10.0 - 10.4 (1g/100ml)

Melting point No information available.

**Initial boiling point and range** Not applicable.

Flash point This product is not flammable.

Evaporation rate Not applicable.

Evaporation factor Not applicable.

Flammability (solid, gas) Not flammable. This product does not sustain combustion.

Upper/lower flammability or

explosive limits

Not applicable.

Other flammability Not applicable.

Vapour pressure No information available.

Vapour density No information available.

Relative density Not applicable.

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**Bulk density** 0.750 - 0.850 kg/l

Solubility(ies) Completely soluble in water.

Partition coefficient Not technically possible for a mixture.

Auto-ignition temperature No information available.

Decomposition Temperature No information available.

Viscosity Not applicable.

**Explosive properties**There are no chemical groups present in the product that are associated with explosive

properties.

Explosive under the influence

of a flame

Not considered to be explosive.

Oxidising properties The product contains a substance classified as oxidising. Does not meet the criteria for

classification as oxidising.

**Comments** Information given is applicable to the product as supplied.

9.2. Other information

Other information Not relevant.

#### SECTION 10: Stability and reactivity

## 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

# 10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Not applicable.

10.4. Conditions to avoid

Conditions to avoid Not relevant.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a

hazardous situation.

#### 10.6. Hazardous decomposition products

Hazardous decomposition

No known hazardous decomposition products.

products

# SECTION 11: Toxicological information

# 11.1. Information on toxicological effects

**Toxicological effects** Information given is based on data of the components and of similar products.

Acute toxicity - oral

Notes (oral LD₅o) Based on available data the classification criteria are not met. Calculation method.

**ATE oral (mg/kg)** 8,717.51

Acute toxicity - dermal

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Notes (dermal LD<sub>50</sub>) Based on available data the classification criteria are not met. Calculation method.

Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>)

Based on available data the classification criteria are not met.

Skin corrosion/irritation

**Skin corrosion/irritation** Irritating to skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

Germ cell mutagenicity

**Genotoxicity - in vitro**Does not contain any substances known to be mutagenic.

Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

**STOT - single exposure**Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Not classified.

General information This product has low toxicity.

Ingestion May cause irritation. Symptoms following overexposure may include the following: Stomach

pain. Nausea, vomiting. Diarrhoea.

**Skin contact** Skin irritation should not occur when used as recommended. Prolonged and frequent contact

may cause redness and irritation.

**Eye contact** May cause irritation to eyes.

Toxicological information on ingredients.

SODIUM CARBONATE

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 2,800.0

mg/kg)

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 2,000.0

mg/kg)

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**Species** Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation 2.3

(LC<sub>50</sub> dust/mist mg/l)

**Species** Rat

**SODIUM PERCARBONATE** 

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 1,034.0

mg/kg)

**Species** Rat

**ATE oral (mg/kg)** 1,034.0

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 2,000.1

mg/kg)

Species Rabbit

**ATE dermal (mg/kg)** 2,000.1

Acute toxicity - inhalation

Acute toxicity inhalation

(LC<sub>50</sub> dust/mist mg/l)

Species Rat

Alcohols, C9-11, Ethoxylated

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

555.56

2.3

Species Rat

**ATE oral (mg/kg)** 555.56

SECTION 12: Ecological information

**Ecotoxicity** There are no data on the ecotoxicity of this product. Not regarded as dangerous for the

environment.

12.1. Toxicity

**Toxicity** The product is not expected to be toxic to aquatic organisms.

Ecological information on ingredients.

**SODIUM CARBONATE** 

Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic

invertebrates

EC₅o, 48 hours: 265 mg/l, Daphnia magna

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#### **SODIUM PERCARBONATE**

Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 70.7 hours: 48 mg/l, Pimephales promelas (Fat-head Minnow)

REACH dossier information.

Acute toxicity - aquatic EC<sub>50</sub>, 48 hours: 4.9 mg/l, Freshwater invertebrates

**invertebrates** REACH dossier information.

# 12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product. The surfactant(s) contained in this

product complies(comply) with the biodegradability criteria as laid down in The Detergents

Regulations (as amended).

## 12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient Not technically possible for a mixture.

12.4. Mobility in soil

**Mobility** The product is water-soluble and may spread in water systems.

# 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

Other adverse effects None known.

# SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Do not discharge into drains or watercourses or onto the ground.

**Disposal methods** Packaging is recyclable. Residues and empty containers should be taken care of as

hazardous waste according to local and national provisions.

# SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

Road transport notes Not classified.

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

#### 14.1. UN number

Not applicable.

# 14.2. UN proper shipping name

Not applicable.

# 14.3. Transport hazard class(es)

No transport warning sign required.

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#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

## 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).

The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 696) (as amended).

The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended). The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (as amended).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment

Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU** legislation

European Regulation (EC) No 1272/2008 on classification, labelling and packaging of

substances and mixtures (as amended)

European Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and

Restriction of Chemicals (REACH) (as amended)

European Regulation (EC) No 648/2004 on detergents (as amended)

Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006,

Guidance

Workplace Exposure Limits EH40.

CHIP for everyone HSG228.

COSHH Essentials.

Approved Classification and Labelling Guide (Sixth edition) L131.

Safety Data Sheets for Substances and Preparations.

## 15.2. Chemical safety assessment

No information available.

## SECTION 16: Other information

## SUPER PROFESSIONAL NON BIOLOGICAL LAUNDRY POWDER L2

Abbreviations and acronyms DNEL: Derived No Effect Level.

used in the safety data sheet PNEC: Predicted No Effect Concentration.

PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.

Revision comments This is the first issue. Note: Finished product SDS take their revision history from the parent

bulk liquid SDS. The revision data will show that of the parent liquid.

Revision date 05/01/2023

Revision 1

SDS number 23007

Hazard statements in full H272 May intensify fire; oxidiser.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.